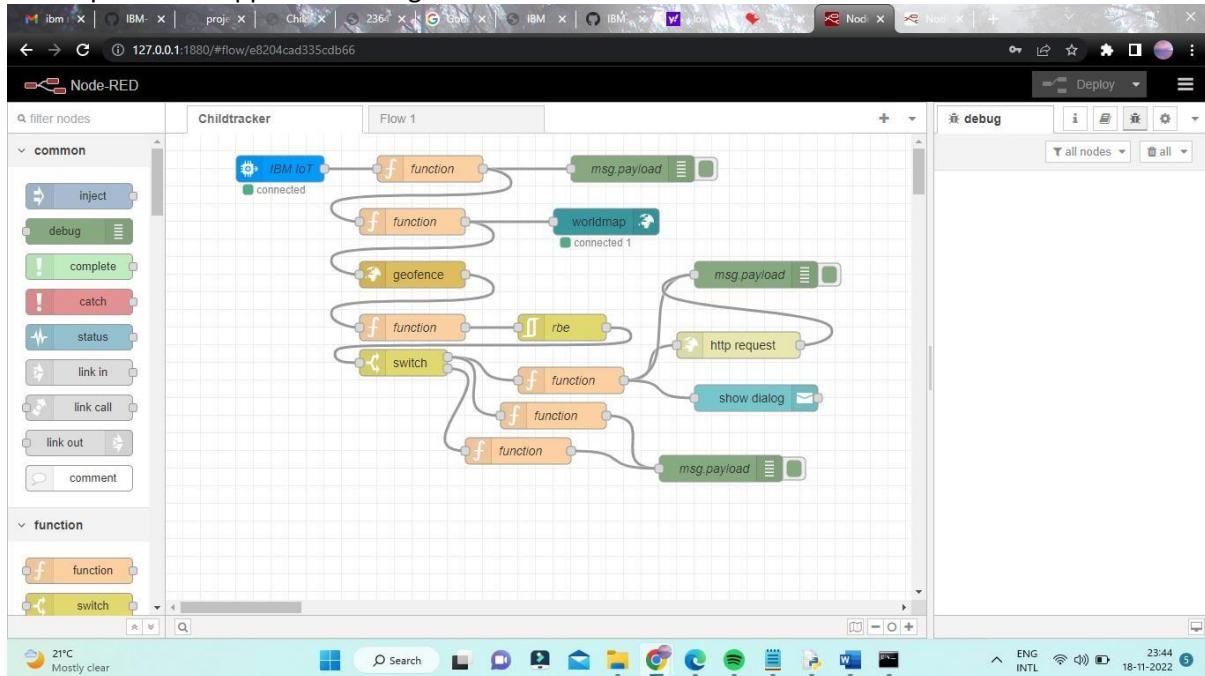


Develop A Web Application Using Node-RED Service.

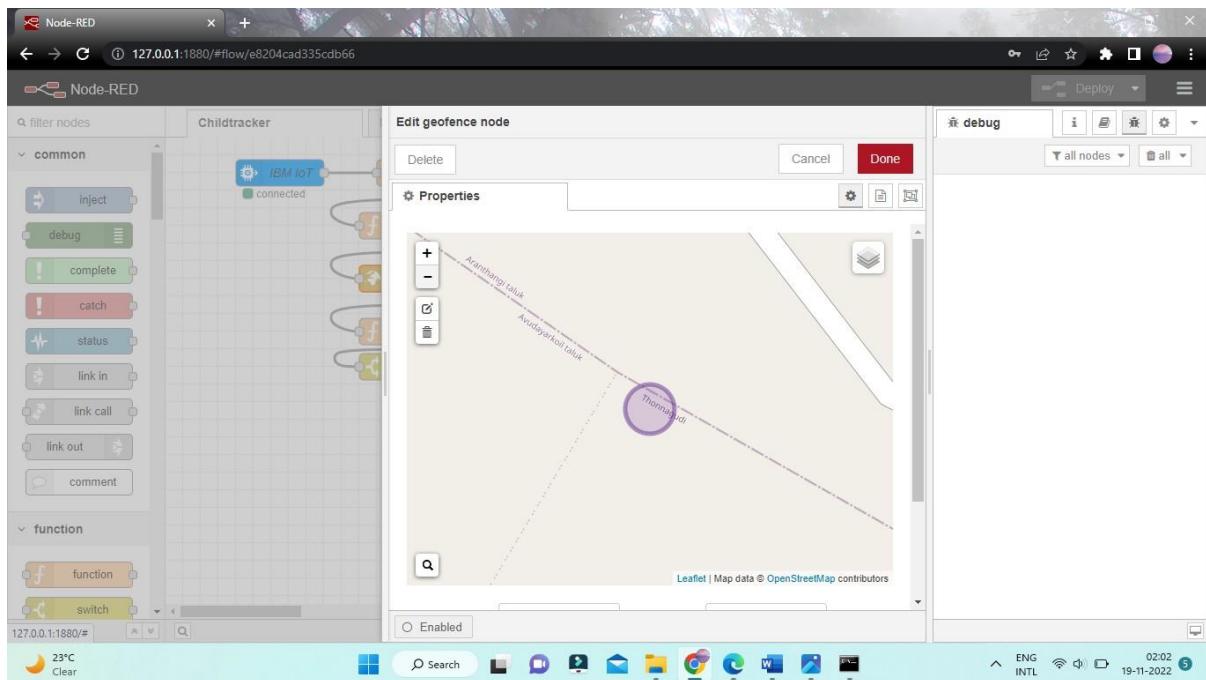
Team ID	PNT2022TMID48154
Project Name	IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION

Develop the Web application using Node red.

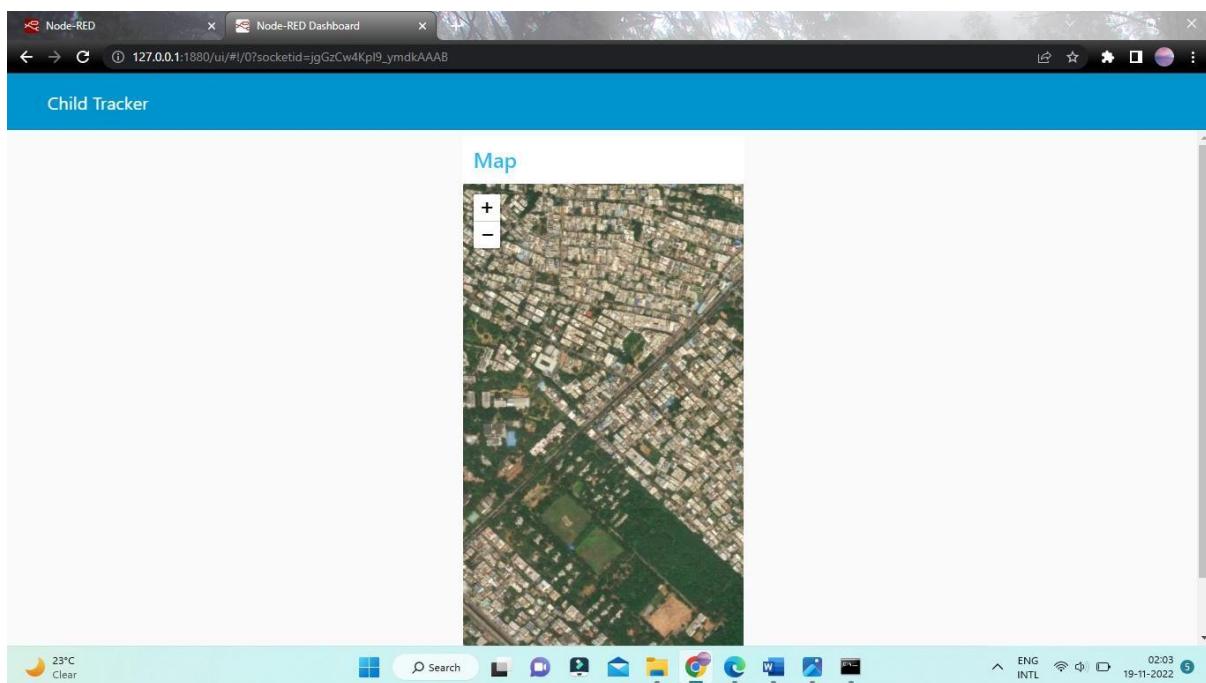


Connect to the IBM IoT Platform and get the location and Store the data in the Cloudant.

The screenshot shows the Cloudant Dashboard for the database "pnt2022tmid48154". The left sidebar shows "All Documents" with a single document listed: "Query". The main area displays a table with columns "id", "key", and "value". There is one row with the id "bdb038225fca48b29b2cf1b..." and key "bdb038225fca48b29b2cf1b...". The value is a JSON object: {"rev": "1-4dbd80ab6e655d7..."} A message at the top right says "Document saved successfully.". At the bottom, it says "Showing document 1 - 1. Documents per page: 20". The bottom of the screen shows a taskbar with various icons and system status information.



Create the geofence and Google map for location identification. Integrate the geofence and Google map to check if the child is inside or outside the geofence



Send the notifications if the child is outside the geofence#in area location

```
python1.py - C:\Python\Python37\python1.py (3.7.0)
File Edit Format Run Options Window Help
import json
import wiotp.sdk.device
import time

myConfig = {
    "identity": {
        "orgId": "2a6zb4",
        "typeId": "NodeMCU",
        "deviceId": "12345"
    },
    "auth": {
        "token": "12345678"
    }
}
client = wiotp.sdk.device.DeviceClient(myConfig)

client.connect()
while True:
    name="smartbridge"
    #in area location

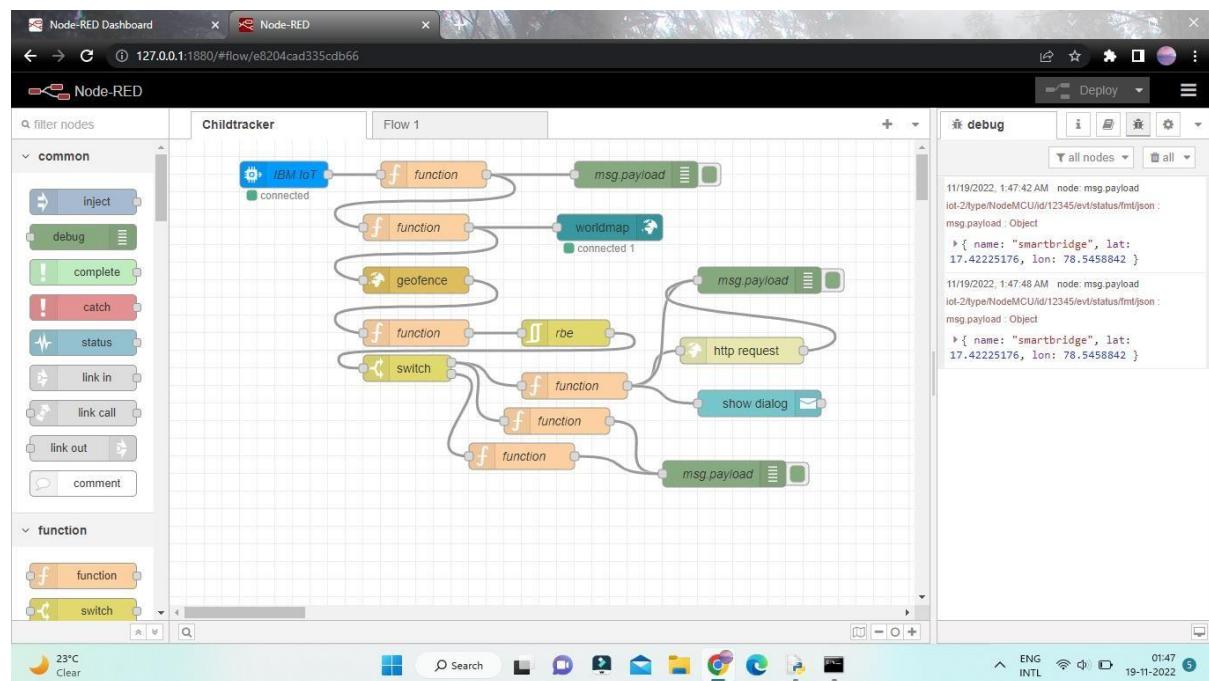
    latitude= 17.42225,
    longitude= 78.5458

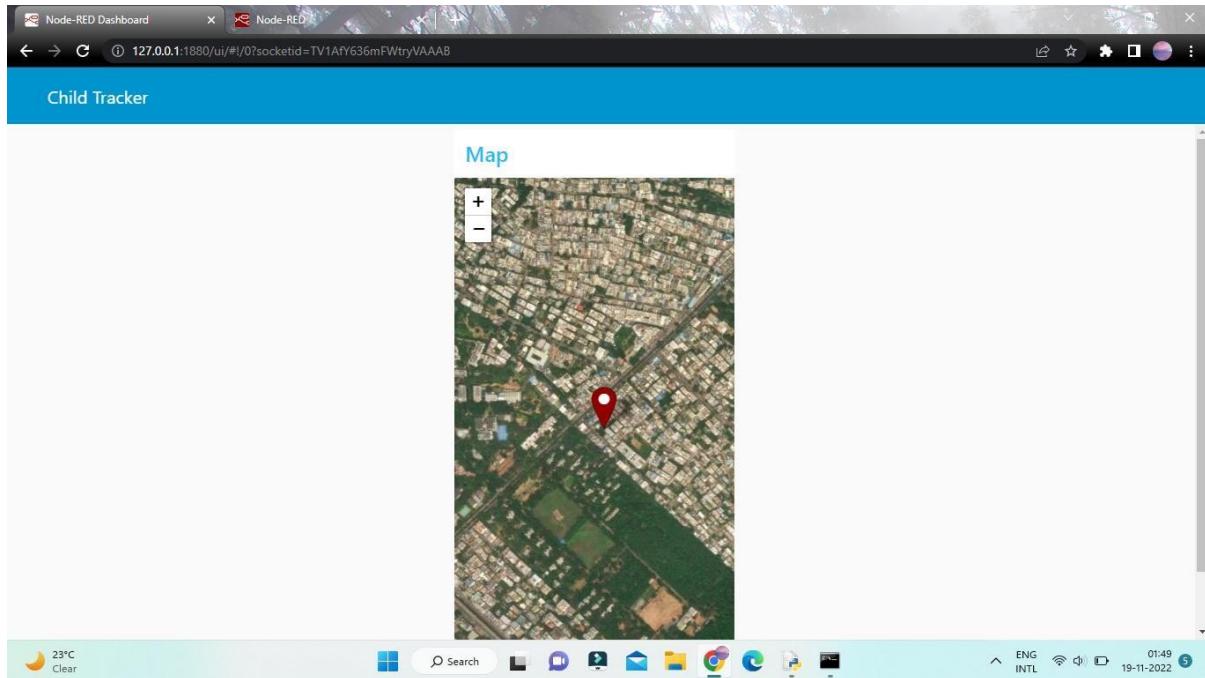
    #out area location

    #latitude= 17.42225
    #longitude= 78.5455
    myData={'name': name}
    client.publishEvent("Data published", myData)
    print("Data published")
    time.sleep(5)

client.disconnect()

Ln: 1 Col: 0
```





#out area location

```
python1.py - C:\Python\Python37\python1.py (3.7.0)
File Edit Format Run Options Window Help
import json
import wiotp.sdk.device
import time

myConfig = {
    "identity": {
        "orgId": "2a6zb4",
        "typeId": "NodeMCU",
        "deviceId": "12345"
    },
    "auth": {
        "token": "12345678"
    }
}
client = wiotp.sdk.device.DeviceClient(myConfig)

client.connect()
while True:
    name="smartbridge"
    #in area location
    #latitude= 17.42225
    #longitude= 78.54588
    #out area location
    latitude= 17.422251
    longitude= 78.54588
    myData={'name': name}
    client.publishEvent(myData)
    print("Data published")
    time.sleep(5)

client.disconnect()

Ln: 24 Col: 10
```

